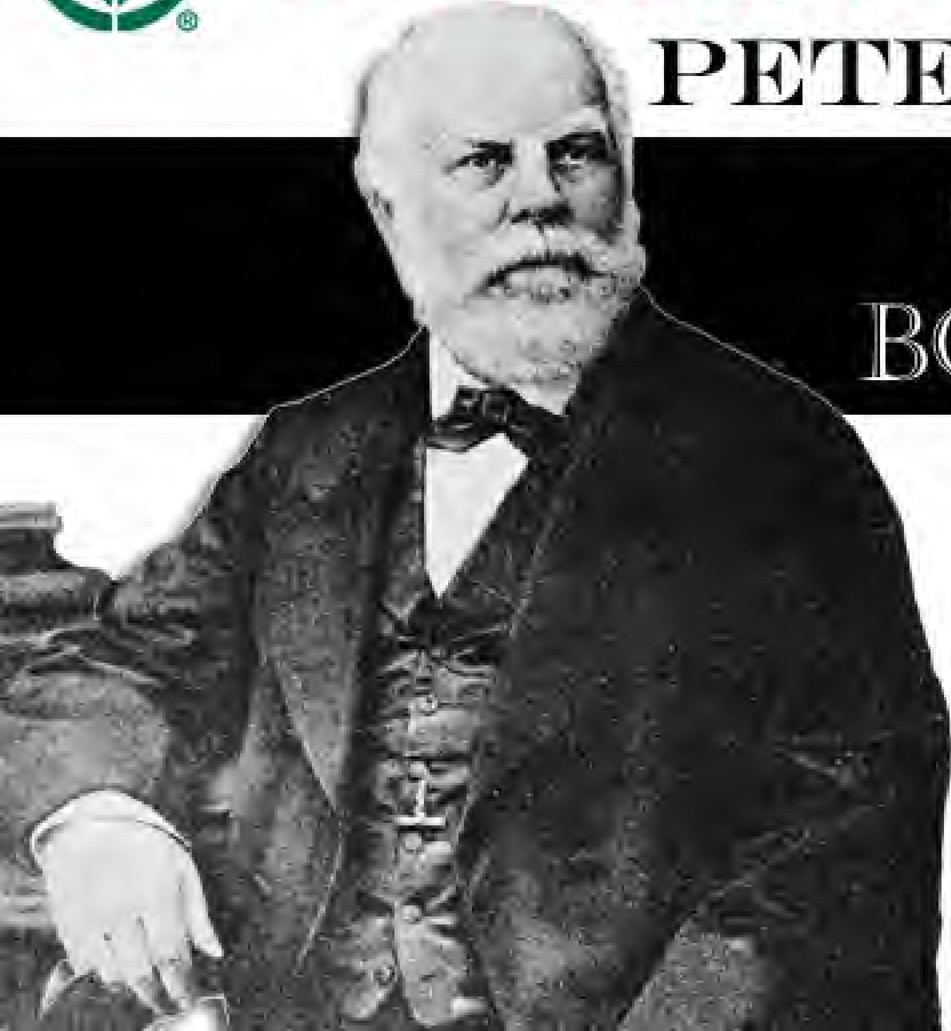
MISSOURI BOTANICAL GARDEN

PETER H. RAVEN LIBRARY



GEORGE ENGELMANN BOTANICAL NOTEBOOKS

Pagination Note:
Since many of the items lack a specific page number, the page number displayed online refers to the sequentially created number each item was given upon cataloging the materials.

Recd Nov 23d
ans Dec 3

Osmer near Pluedale Utah
Terry November 4 1874
(300 Miles from Salt Lake City)

Nov 2 – 2 pounds on the road

Dr George Engleman

My Dear Sir: your letter of Oct 16.74 was received this evening and I hasten to reply. I this day mailed to you all of the Seed of Abis concolor except probably one oz or two that I have promised to Mr C S Sargent I will go to the Mountains tomorrow and see what I can gett in the line I some time since cut two trees & did not have time to collect the Seed and went back a day or So after when they were covered with Snow if the ground is bare I hope to get a pound or two. If I Succeed I will Note in this letter further on. by last weeks mail I sent you Specimens of Pines, firs, Juniperus Communis & cedars which I hope will reach you in good order. I shall send you the Cedar or what Dr C C Parry informed me was Juniperus Asteri Esperum Seed as fast as I can

0 1 2 3 4 5 6 7 8 9 10
cm copyright reserved
MISSOURI BOTANICAL GARDEN

them put up I shall send probably 50 pounds in the bundle I sent today was a pound of them & my letter will tell you all about terms &c the seed of the Juniper are very good this season I have never found them better. I shall also send you seed of Yucca Augustifolia see my last letter for terms &c

I will now try to answer your enquiries in regard to Abis Concolor

1st it grows to the hight of 60 feet & in size of boll three feet from ground ~~3~~ in D 33 in it grows in moist cool Canons & in small valleys on the mountains growing equally well amongst rocks as in richer soil. it associates with abis Douglisii. yellow & black Pine see speciams sent, aspen & maples

2 the timber is soft & spongy when green & soft & easily worked when dry except the nots & they are (lightning strikes" local) it is but little used except for building log cabins & only then when other timber of suitable size is scarce

---

3d Th
Smo
of w
the
beca
an
try
bark
the t
I bef
timb
num
these
Sect
very
4 p
of S
thre
offe
300
pas
I su
calif
be c
This

0 1 2 3 4 5 6 7 8 9 10
cm copyright reserved
MISSOURI
BOTANICAL
GARDEN

3^d The Bark on young trees is white & smooth saving the large blisters some of which are as large as the ball of the thumb in older trees the bark becomes rough more like the bark on the Old Abies Douglasii, but I will try and send you specimens of the bark from old & young wood.

the timber is of but little value as I before remarked except where other timber is very scarce but as an ornamental tree it has no equal in these mountains. If I send you the section of wood it will have to be very thin so as to bring it under 4 pounds weight as I have no way of sending it except by mail as there is no rail road or Express office nearer than Salt Lake City 300 miles away with but little passing between here & there

I send enclosed a pkt of Hesprichua californicum seed which I hope will be of interest I have 2 pounds of this seed but it sells very slow

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS
12865

0 1 2 3 4 5 6 7 8 9 10 cm copyright reserved MISSOURI BOTANICAL GARDEN

Nov 8 Since writing the foregoing pages I have visited the locality where the ~~co~~ Concolor grows found the Seed refuse to 6 in under snow I got 3 Specimens of Bark which I mail with this letter the Tree does not grow as tall as I was led to believe the highest Tree that I could find was about 60 feet high with limbs from the Ground up.

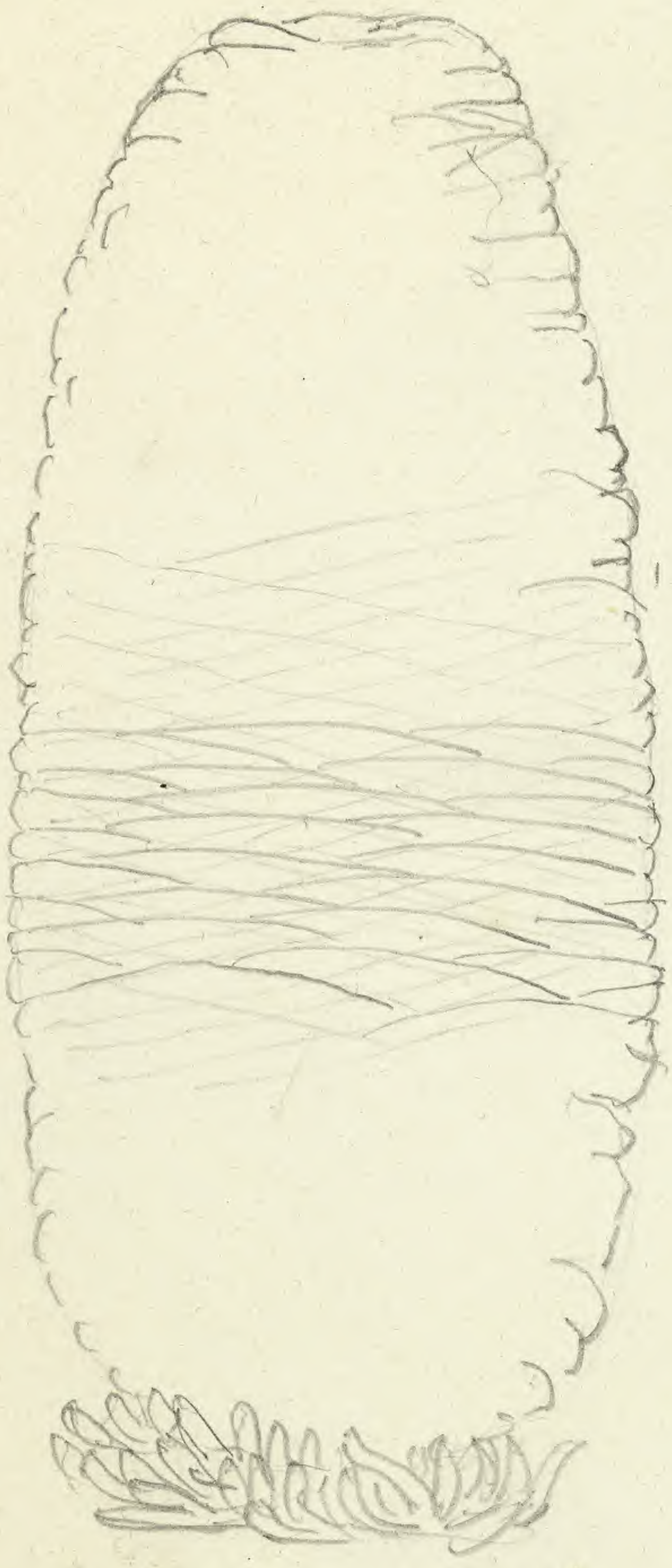
If you could send me 1/2 Ream of large French note paper & take Seed for it I would be glad to receive it as I am nearly out of Paper if you send it, pack it very securely putting heavy paste board on the sides so as to keep the corners from rolling or wearing, & tye with heavy twine very Tight. I would like to collect you for 2 hundred pounds of abies concolor Seed next Season at $5— pr pound 1/3 of Dr Parrys price as given to me in his last letter that is if it fruits the pines have not fruited with us this season and it may miss next it has been very heavy this season

Please acknowledge the receipt of the Seed & Bark

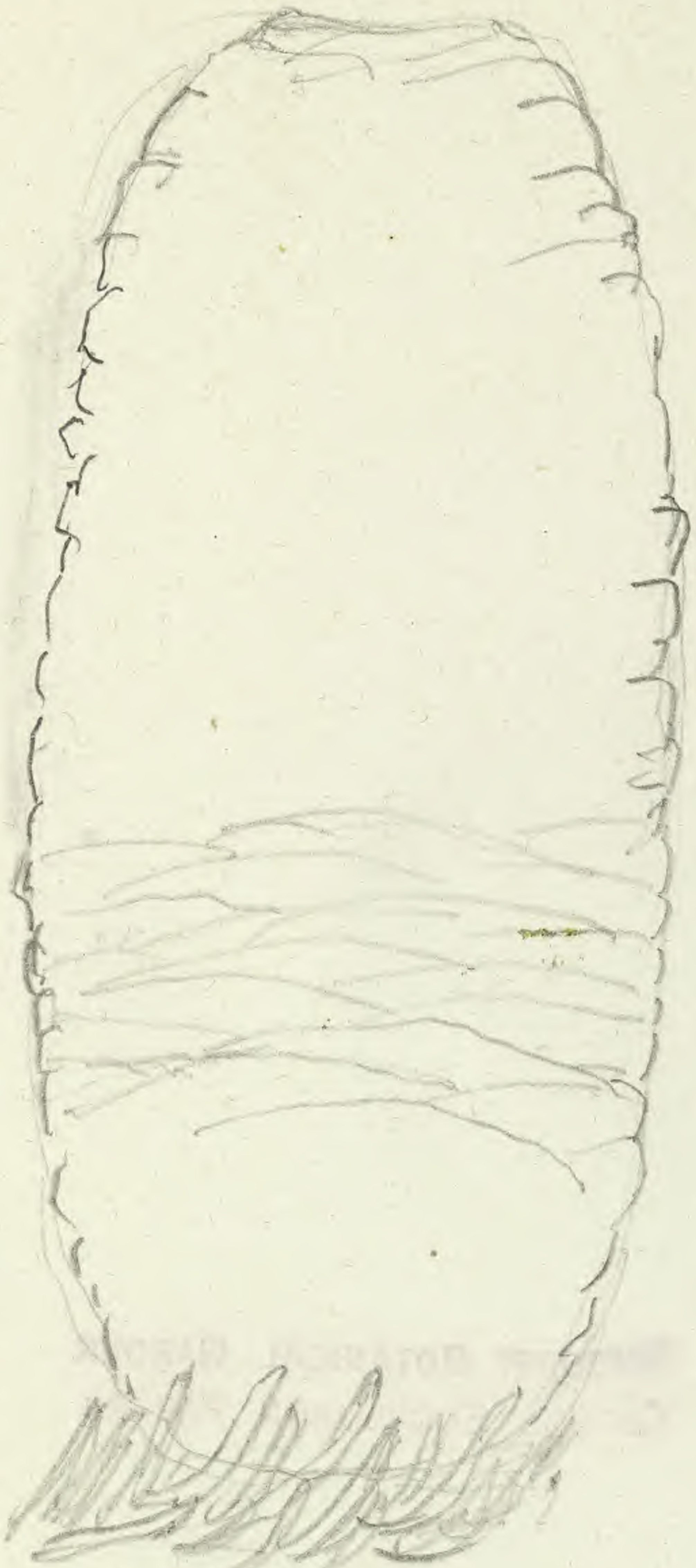
I Remain Yours
A. L. Siler

Santa Monica
Sept 17 1880

Abies Concolor
among the "Big Trees," Fresno Co, Cal.
6000 feet alt.



5 inches long, a little over
2 inches in diameter
(unusually large)



0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MISSOURI
BOTANICAL
GARDEN

12866

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MISSOURI
BOTANICAL
GARDEN

Abies concolor Nov 24

Utah. Siler

10 Seeds examined —

7 with 6 Cotyl

2 5

1 — 7 —

0 1 2 3 4 5 6 7 8 9 10
cm copyright reserved
MISSOURI
BOTANICAL
GARDEN

12867

JONES & LEITCH,

DRUGGISTS,

Corner Fifth and Market Streets, St. Louis, Mo.

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MISSOURI
BOTANICAL
GARDEN

G. ENGELMANN, M. D.,
OFFICE, S. W Cor. FIFTH & ELM STREETS,
RESIDENCE N. W. Cor. GARRISON AVE. & LOCUST ST.

St. Louis, ... 187

Cones of Abies concolor sent to
Oct 74 & Jan 75

retusa, bract Brev	DCand	Braun	Gray	Bolander	Hooker	Agric Bureau	Porter	Torrey
acuta bract Cong.	"	"	"	"	"	"	"	"
Glen Eyrie	" Jan	" oct	" oct	" oct	" oct	" Jan	" oct	" Jan

CHAS. HABICHT & CO.,
Successors to Enno Sander & Co.,
Pharmaceutists,
Walnut & Fourth Sts, Walnut & Second Sts.,
SOUTHERN HOTEL, BARNUM'S HOTEL,
ST. LOUIS, MO.

12868

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MISSOURI
BOTANICAL
GARDEN

T. S. Brandegee writes
Mt Crestones Sept 15 1877
S. Colorado

Abies concolor: cones very large and of all colours between light yellow green & dark purple
bark rough, distinguishes it at once from A. lasiocarpa, smooth barked almost like that of Aspen, when not too old; older trees are rougher
larger

Concolor fruits much more abundantly than lasiocarpa — retains its leaves 12 or 13 years

retains leaves 12-13 years

12869

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MISSOURI
BOTANICAL
GARDEN

Abies nobilis

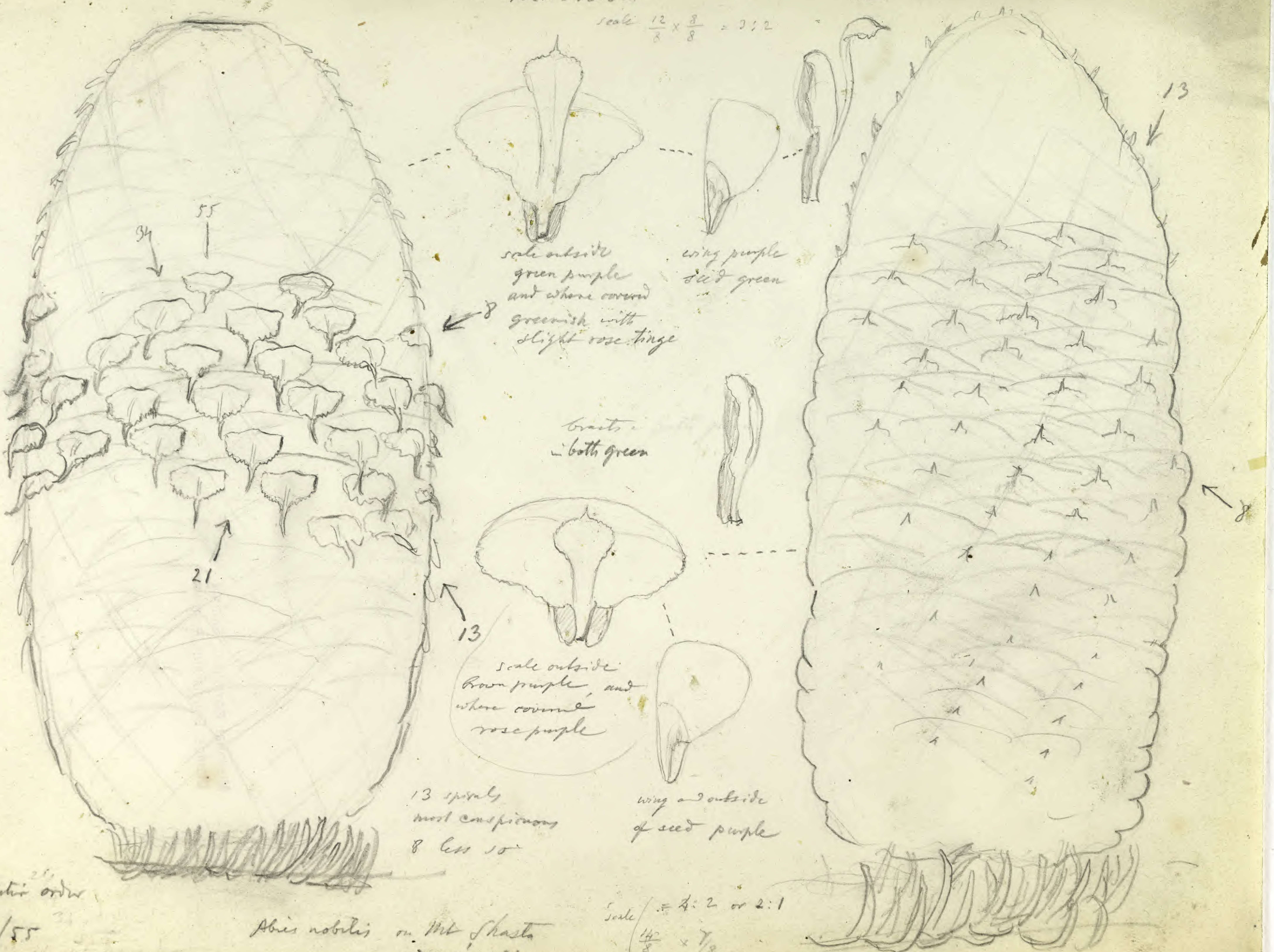
742-8

0 1 2 3 4 5 6 7 8 9 10
cm copyright reserved
MISSOURI BOTANICAL GARDEN

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MISSOURI
BOTANICAL
GARDEN

Sisson's Aug 28 1880
Near Shasta

scale $\frac{12}{8} \times \frac{8}{8} = 3:2$



scale outside
green purple
and where covered
greenish with
slight rose tinge

wing purple
seed green

bracts
both green

scale outside
brown purple and
where covered
rose purple

wing and outside
of seed purple

13 spirals
most conspicuous
8 less so

Phyllotactic order
34/55

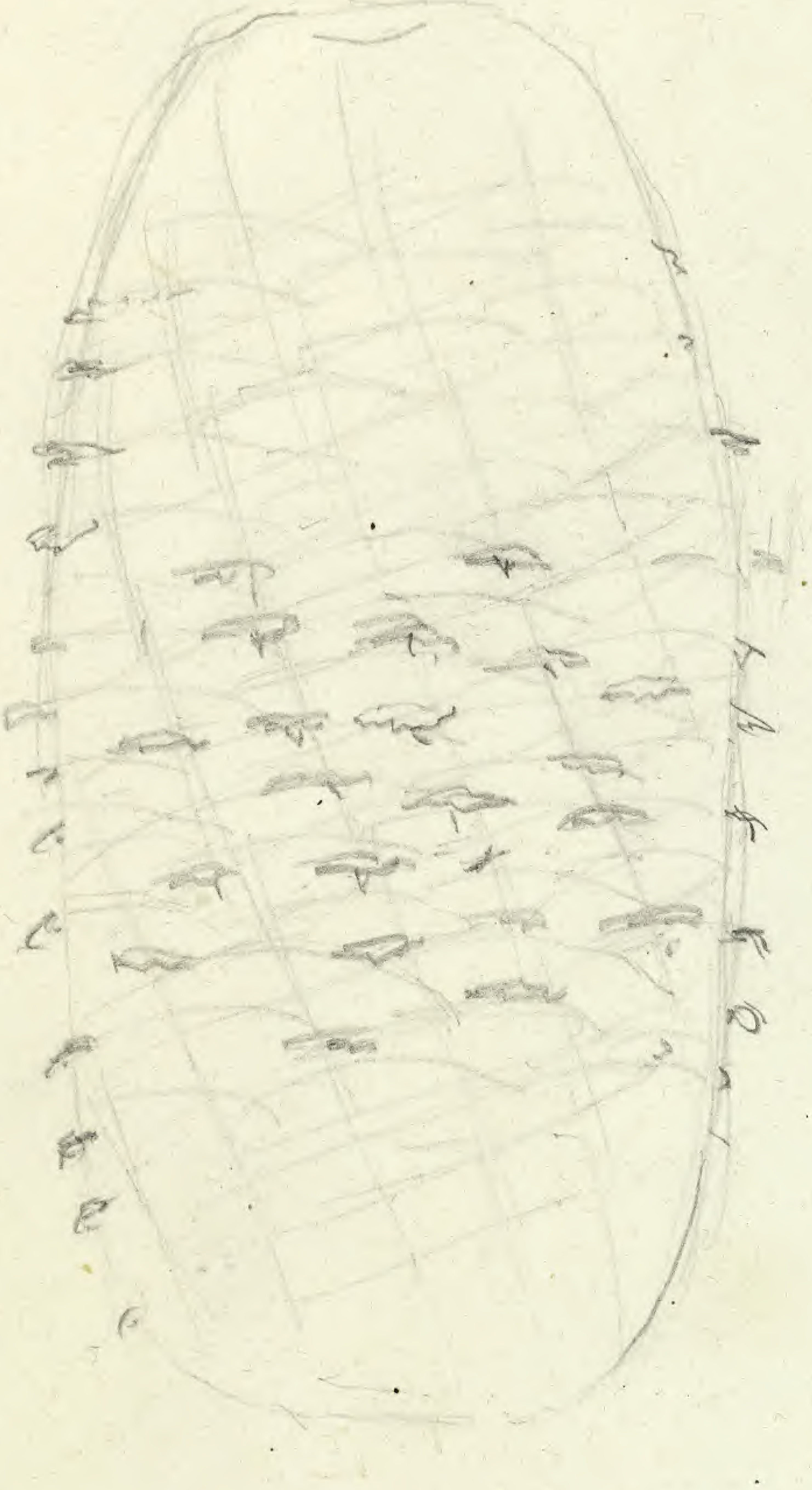
Abies nobilis on Mt Shasta
7000' alt.

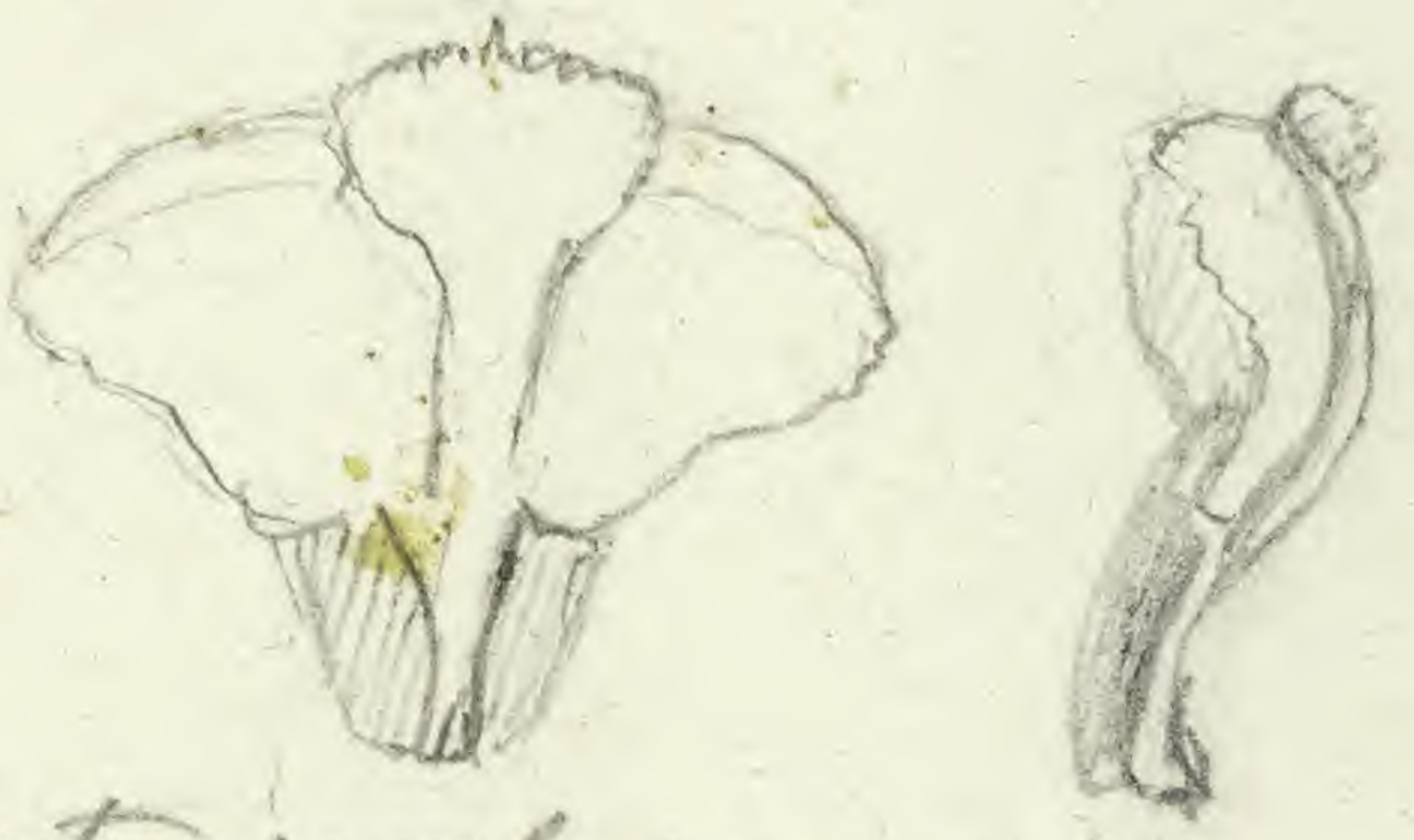
Scale $\left(= 4:2 \text{ or } 2:1 \right.$
$\frac{14}{8} \times \frac{7}{8}$

MISSOURI BOTANICAL GARDEN
copyright reserved
cm 0 1 2 3 4 5 6 7 8 9 10

12871

Sisson's Aug. 28 1880





bracts purple green

scale $\frac{9}{8} : \frac{4}{8}$

$= 4\frac{1}{2} : 2$

Abies nobilis on Mt Shasta
6000' alt – 7000'

scales in $\frac{21}{34}$ order

Scale outside purple brown and, where covered, rose coloured, wing and outside of seed purple

12872

Brewer notes June 29 1864:
I find on Mt Silliman
abies nobilis mixed with amabilis
[magnifica] the first time I saw it
south of Mt Shasta, — Can not
distinguish them without cones
I got cones there of undoubted
nobilis.

12873

Kew Sept 1869

The grand Pinetum Britannicum of Lawson
(ed. A Murray) part I
[part I]

Page 115 P. nobilis [illegible] foliis falcatis
obtusis mucronatis planis supra et subtus
albidis pulvinatis [Sic !]

Lobbs "with a raised line in the middle
and a furrow on each side of it above" "
canaliculate below except towards the apex
over

sometimes bisexual catkins are found
seeds often attacked by insects

The figure is very inferior, and so are
~~[illegible]~~ the woodcuts.

[illegible] woodcuts ditto
sometimes bisexual catkins
seeds attacked by insects

12874